

Converting Colors

$Y_{xy}(31.8807, 0.2166, 0.2683)$

Have a look what the booklet for
Yxy(31.8807, 0.2166, 0.2683)
contains.

Yxy(32.0343, 0.2166, 0.2688)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.0343, 0.2166, 0.2688)

Conversions

Conversions Part 1

Format	Color
Hex	37A5CB
RGB	55, 165, 203
RGB Percent	22%, 65%, 80%
CMY	0.7840, 0.3530, 0.2039
CMYK	0.73, 0.19, 0.00, 0.20
HSL	195°, 59%, 51%
HSV	195°, 73%, 80%
XYZ	25.8134, 32.0343, 61.3276
YIQ	136.4420, -77.7580, -11.5020

Conversions

Conversions Part 2

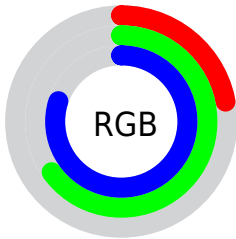
Format	Color
RYB	55, 118, 203
Decimal	3646923
CIELab	63.37, -18.32, -28.32
CIElCh	63, 33.731, 237.102
Yxy	32.0343, 0.2166, 0.2688
Android (android.graphics.Color)	4281837003 (0xFF37A5CB)
YUV	136.4420, 32.8131, -71.4246
Hunter-Lab	56.5989, -17.6385, -24.6244

Details

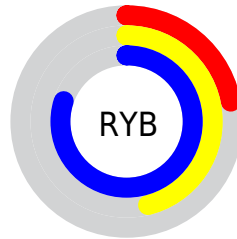
The Yxy color **32.0343, 0.2166, 0.2688** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **20.8174, 0.5207, 0.3707**, and the grayscale version is **24.6989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4713, 0.2364, 0.2866**, and **13.9802, 0.2029, 0.2503** is the 20% darker color. If you saturate the color by 10%, you get **29.7310, 0.2092, 0.2592**, and if you desaturate by 10%, it is **34.6524, 0.2259, 0.2784**.

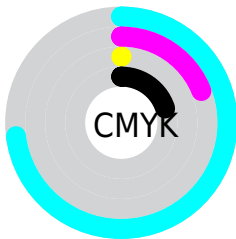
Distribution



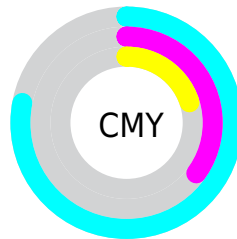
- Red (22%)
- Green (65%)
- Blue (80%)



- Red (22%)
- Yellow (46%)
- Blue (80%)



- Cyan (73%)
- Magenta (19%)
- Yellow (0%)
- Black (20%)




- Cyan (78%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0343, 0.2166, 0.2688 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 32.0343, 0.2166, 0.2688 by changing the saturation by 10% instead.

 32.0343, 0.2166,
0.2688


 32.0343, 0.2166,
0.2688


311.2755, 0.2654,
0.3014

 21.3877, 0.2044,
0.2600


 62.8649, 0.2344,
0.2812


 13.4077, 0.1889,
0.2484


 83.8176, 0.2411,
0.2857

 7.7099, 0.1686,
0.2324


 108.9745, 0.2467,
0.2894

 3.9099, 0.1413,
0.2095

 138.7200, 0.2515,
0.2925

 1.6233, 0.1039,
0.1747

 173.4384, 0.2557,
0.2952

 0.3732, 0.0000,
0.1044

213.5142, 0.2594,

 0.0000, 0.0000,

0.2976

0.0000

259.3318, 0.2626,
0.2996

■ 32.0343, 0.2166,
0.2688

■ 32.0343, 0.2166,
0.2688

■ 29.7310, 0.2092,
0.2592

■ 34.6524, 0.2259,
0.2784

■ 27.7072, 0.2038,
0.2496

■ 37.6084, 0.2370,
0.2877

■ 26.3961, 0.2008,
0.2429

■ 40.9270, 0.2496,
0.2967

■ 44.6288, 0.2633,
0.3052

■ 48.7330, 0.2779,
0.3132

■ 53.2572, 0.2930,
0.3205

■ 58.2178, 0.3083,
0.3272

■ 63.6303, 0.3236,
0.3332

■ 69.5092, 0.3386,
0.3386

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.0343, 0.2241, 0.3106



32.0343, 0.2166, 0.2688



32.0343, 0.2316, 0.2473

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.0343, 0.2166, 0.2688



32.0343, 0.3716, 0.2950



32.0343, 0.3530, 0.4263

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.0343, 0.2166, 0.2688



20.8174, 0.5207, 0.3707

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.0343, 0.3968, 0.4113



32.0343, 0.2166, 0.2688



32.0343, 0.4098, 0.3350

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.0343, 0.2166, 0.2688



32.0343, 0.3180, 0.2636



32.0343, 0.4187, 0.3767



32.0343, 0.3005, 0.4097

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.0343, 0.2166, 0.2688



32.0343, 0.2532, 0.2445



32.0343, 0.4187, 0.3767



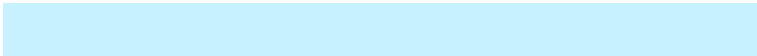
32.0343, 0.3693, 0.4244

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.0354, 0.2166, 0.2688



82.0138, 0.2788, 0.3136



44.3039, 0.2874, 0.5119



17.1330, 0.2747, 0.3115



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.0354, 0.2166, 0.2688



47.9324, 0.2061, 0.2541



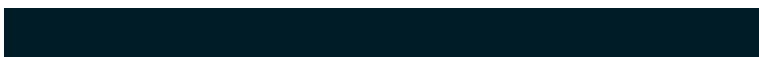
12.7902, 0.1859, 0.1468



12.2200, 0.2983, 0.3229



16.9500, 0.2012, 0.2442



0.9922, 0.2063, 0.2627

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.1532, 0.3713, 0.2055



26.4331, 0.3873, 0.1970



40.2555, 0.4400, 0.4546



11.3526, 0.3176, 0.3119



9.5141, 0.3980, 0.1966



0.5027, 0.3798, 0.1866

Previews

White Background



This preview shows how the Yxy color 32.0343, 0.2166, 0.2688 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 32.0343, 0.2166, 0.2688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

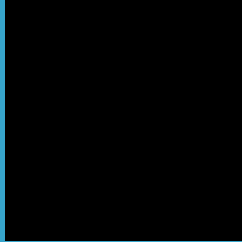
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.0343, 0.2166, 0.2688

Background



This preview shows how black text looks on a background with the Yxy color 32.0343, 0.2166, 0.2688.

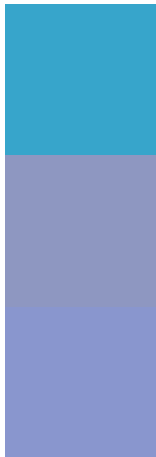


This preview shows how white text looks on a background with the Yxy color 32.0343, 0.2166, 0.2688.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32.0343, 0.2166, 0.2688

Protanopia

31.7343, 0.2688, 0.2678

Deuteranopia

31.5873, 0.2554, 0.2492



Tritanopia

32.1847, 0.2238, 0.3069

Trichromacy



Original Color

32.0343, 0.2166, 0.2688

Protanomaly

31.1231, 0.2430, 0.2663

Deuteranomaly

30.9763, 0.2361, 0.2539

Tritanomaly

32.2809, 0.2210, 0.2926

Monochromacy



Original Color

32.0343, 0.2166, 0.2688

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.5313, 0.2639, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0343, 0.2166, 0.2688 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(55, 165, 203)` looks like.

```
.text, #text, p{  
    color:rgb(55, 165, 203)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(55, 165, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 165, 203) }
```

Border

The CSS property to change the border of an element to Yxy 32.0343, 0.2166, 0.2688 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(55, 165, 203) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(55, 165, 203) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(55, 165, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 165, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 165, 203);  
box-shadow:4px 4px 4px 4px rgb(55, 165,  
203) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.0343, 0.2166, 0.2688$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 165, 203) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(55, 165,  
203) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor